

BOWERS OIL & GAS EXPLORATION INC.

P.O. Box 636

GRAND JUNCTION, CO. 81502

BUS: 303-245-1342

RES: 303-242-6311

July 22, 1983

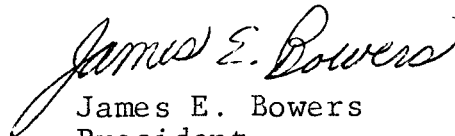
Bureau of Land Management  
P.O. Drawer 600  
Farmington, NM 87401

RE: APD

Gentlemen:

Enclosed, in quadruplicate, is an APD for our BN Well #4-33,  
located in Sec. 33, T42S, R22E, SLB & M, San Juan County,  
Utah.

Sincerely,

  
James E. Bowers  
President

JEB:ddj

Enclosures

✓ cc:Utah State Oil & Gas Comm.

**RECEIVED**

JUL 26 1983

**DIVISION OF  
OIL GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 43-0100
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR Bowers Oil and Gas Exploration, Inc.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 636, Grand Junction, CO 81502		8. FARM OR LEASE NAME Navajo
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2120 ft. FWL, 2120 ft. FSL At proposed prod. zone same as at surface		9. WELL NO. BN Well #4-33
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles SE of Bluff, Utah		10. FIELD NAME, POOL OR WILDCAT Akah Field Lower Ismay Pool
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2120 ft.	16. NO. OF ACRES IN LEASE 1922.3	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T42S R22E, SLB&M
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2120 ft.	19. PROPOSED DEPTH 5430 ft.	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4985 ft. (GR)	20. ROTARY OR CABLE TOOLS Rotary	13. STATE Utah
22. APPROX. DATE WORK WILL START* 1 August, 1983		

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	400 ft.	280sx. class B
7-7/8"	5-1/2"	15.5#	5370 ft.	330sx 50/50 poz.

SEE ATTACHED

RECEIVED  
JUL 26 1983DIVISION OF  
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED <u>James E. Bowers</u>	TITLE <u>President</u>	DATE <u>5/27/83</u>
(This space for Federal or State office use)		
PERMIT NO. _____	APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING	
APPROVED BY _____	DATE: <u>7-28-83</u>	BY: <u>[Signature]</u>
CONDITIONS OF APPROVAL, IF ANY:		

\*See Instructions On Reverse Side

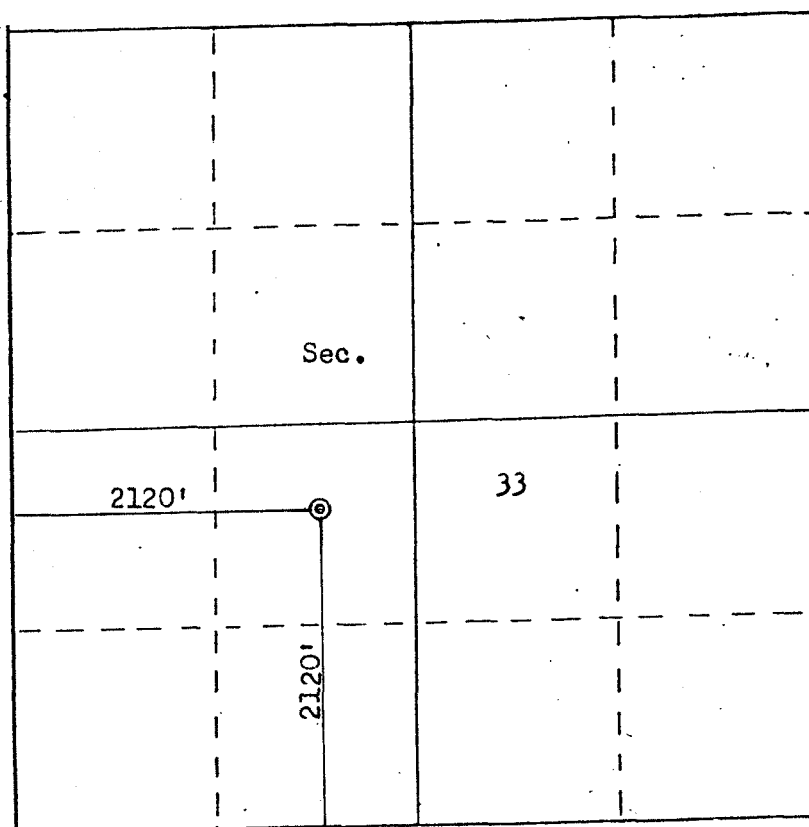
COMPANY BOWERS OIL & GAS EXPLORATION INC.

LEASE NAVAJO WELL NO. 4-33

SEC. 33, T 42S, R 22E SIM  
San Juan County, Utah

LOCATION 2120'FSL 2120'FWL

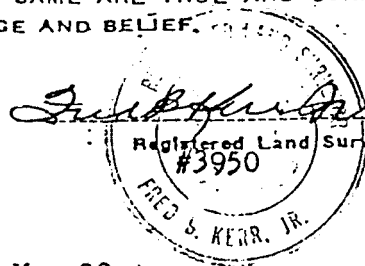
ELEVATION 4985 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



SURVEYED May 20, 1983

BOWERS OIL & GAS EXPLORATION INC.

P.O. Box 636

GRAND JUNCTION, CO. 81502

BUS: 303-245-1342

RES: 303-242-6311

NTL-6

1. Geologic name of surface formation - Jurassic, Glen Canyon Group
2. Estimated tops of important geologic markers - (Drilling depths)
  - a. Organ Rock - 2140 ft.
  - b. Upper Ismay - 4620 ft.
  - c. Desert Creek - 4770 ft.
  - d. Akah - 4970 ft.
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formation are expected to be encountered (drilling depths) -
  - a. Organ Rock (White Belly Wash sand), 2400 ft., gas or water is probable.
  - b. Lower Ismay, 4700 ft., gas and oil is expected.
  - c. Akah, 5100 ft., oil is probable.
4. The proposed casing program, including the size, grade, and weight/ft. of each string and whether new or used -
  - a. The surface pipe will be new and graded H-40. Other information regarding this pipe is listed in #23, first page of APD.
  - b. The production pipe if needed, will be new and graded API, J-55. Other information regarding this pipe is also listed in #23, first page of APD.
5. The operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and the testing procedures and testing frequency -
  - a. A Schaeffer blowout preventer will be used. This BOP is rated to 3,000 psi.-W.P.
  - b. See attached schematic diagram.
  - c. Unit will be tested to 2500 psi prior to drilling out from under surface pipe. Daily testing will be performed thereafter.

6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained. -
- a. Spud - 1550 ft. - gel and lime 8.6-8.8 lbs./gal. wt.
  - b. 1550 - TD - gel, drispack system. Possibly add KCL. Will add Barite to control possible water flows (11.2#/gal. wt. or as needed). Will add soda ash and caustic soda to treat contamination caused by Gyp or Anhydrite stringers.
7. Auxiliary equipment to be used -
- a. Kelly cocks.
  - b. Floats at the bit.
  - c. Visual monitoring of the mud system.
  - d. A sub on the rig floor with full opening valve to be stabbed into drill pipe when kelly is out of string.
  - e. Mud logging unit.
8. The testing, logging, and coring programs to be followed with provision made for required flexibility -
- a. No coring programs are anticipated.
  - b. Visual examinations of cuttings will be made.
  - c. Open hole logging will consist of dual induction-laterlog, and compensated neutron/formation density.
  - d. DST(s) will be run to test the Lower Ismay, Desert Creek and Akah formations. Any other zone of interest will also be tested.
  - e. We will set up a mud logging unit at approximately 2000 ft.
9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfidgas, along with plans for mitigating such hazards -
- None expected.
10. The anticipated starting date and duration of the operation -
- We plan to start 1 September, 1983. The operation should take eighteen (18) days.

11. Completion work will consist of perforating with 3/8" jet shot, casing gun, the deepest zone that appears productive. We will evaluate the perforating and then make a decision as to whether or not stimulation work would be feasible. If we do stimulate we would run an acid frac job (if the zone is the Ismay or Akah) or a sand frac (if the zone is the White Belly Wash). The acid frac would entail using approximately 20,000 gal. of 7 1/2% HCL and additives. The sand frac would be a job consisting of approximately 50,000 #'s of 12-20 sand and 400 MCF nitrogen.

# BOWERS OIL & GAS EXPLORATION INC.

P.O. Box 636  
GRAND JUNCTION, CO. 81502  
BUS: 303-245-1342  
RES: 303-242-6311

## SURFACE USE PLAN (NTL -6)

### 1. Existing Roads - (See attached map).

- a. Proposed well site is marked. 200 ft., north, south directioned reference stakes have been laid.
- b. Route and distance from nearest town or locatable reference point to where well access route leaves main road - Take Highway #1 west of Farmington, NM; take this road for 60 miles at which point you turn north on to an unimproved dirt road. You take this road approximately 10 miles at which point you are at our access road turnoff.
- c. Access road to location color - coded or labeled - Access road is labeled (see attached map).
- d. If exploratory well, all existing road within 3-mile radius - N/A
- e. If development well, all existing roads with a 1-mile radius of well site (including type of surface, conditions, etc.) - Approximately  $\frac{1}{2}$  mile NE of the location, there is a northwest, southeast trending unimproved dirt road. There are two unimproved dirt roads that turn off this road. These roads run in northeasterly directions.
- f. Plans for improvement and/or maintenance of existing roads - Maintenance, consisting mainly of bladework, will be done on the roads used, when needed.

### 2. Planned Access Roads

Enclosed is a map showing the one access road which needs to be constructed. No access road needs to be reconstructed.

- (1) Width - The road will be 15 - 18 ft. wide.
- (2) Maximum Grade - The maximum grade will be 3%.
- (3) Turnouts - No turnouts will be needed.
- (4) Drainage design - None needed.
- (5) Location and size of culverts and brief description of any major cuts and fills - No culverts will be needed. Attached is a profile of the drillsite. The site will require cuts made to the North and SE of the hole location. Fill to the SW will be needed.

- (6) Surfacing material - No foreign material will be put on the access road. The native soil will provide an adequate surface.
- (7) Necessary gates, cattleguards, or fence cuts - No gates nor cattleguards will need to be built. No fences will need to be cut.
- (8) The access road is center-lined flagged.

3. Location of Existing Wells

The following is a list of various types of wells located within a one-mile radius of the location: (also, see attached map)

- (1) Water wells - None
- (2) Abandoned wells - There are three, located 1/2 - 3/4 mile east and north of the proposed location.
- (3) Temporarily abandoned wells - None
- (4) Disposal wells - One well located approximately 1 1/4 miles north of the proposed location.
- (5) Drilling wells - None
- (6) Producing wells - There is one oil well located approximately three-tenths of a mile northeast of the proposed location.
- (7) Shut-in wells - There are no shut-in wells within a one mile radius.
- (8) Injection wells - There are no injection wells within a one mile radius.
- (9) Monitoring or observation wells for other resource - There are no monitoring or observation wells for other resources within a one mile radius.

4. Location of existing and/or proposed facilities -

A. Within a one mile radius of location show the following existing facilities owned or controlled by operator or lessee.

- (1) Tank Batteries - Lessee owns the tank battery at the producing well shown on the attached map.
- (2) Production Facilities - Lessee owns the production facilities described in (1) above.
- (3) Oil gathering lines - None owned or controlled by operator or lessee.



- (4) Gas gathering lines - None owned or controlled by operator or lessee.
- (5) Injection lines - None owned or controlled by operator or lessee.
- (6) Disposal lines - None owned or controlled by operator or lessee.

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad - Flagged stakes from the well location to El Paso Pipeline Co.'s gas line has been set. This route would be the proposed gas pipeline route if commercial natural gas is found.
- (2) Dimensions of facilities - A gas-meter housing facility would be no more than 50' x 50'. Its purpose would be for measuring the volume of gas produced. A 4½" pipeline (surface) would run from this meter station to El Paso's pipeline system on the route described in B(1) above. Approximately five feet on either side of the pipeline route would be needed for installation.
- (3) Construction methods and materials - The meter house would be a metal, pre-fabricated structure painted desert gold. Inside would be valves, fittings, meter runs, chart, ect. needed to measure the volume of gas. The pipeline would be 2" O.D. line pipe.
- (4) Protective measures and devices to protect livestock and wildlife - It is believed neither the wellhead, nor the meter house nor the pipeline would present a danger to wildlife.
- (5) If oil production is found, we will install a pumping unit (if the well won't flow). This unit will pump oil through an underground pipeline connecting to a tank battery. The tank battery will consist of 1-3 400 bbl. tanks (depending on amount of production). The tank battery will be "bermed" all around with an area equal to 1½ times the volume of fluid the tanks will hold. A fenced reserve pit of size 20' x 40' will be constructed. A fence will be set around the pumping unit.

- C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction completed - We plan to contour all of the topsoil back over the disturbed areas that are no longer needed after operations are ended. We will then reseed in a quantity, method and with the type of seed the BLM recommends.

5. Location and type of Water Supply

- A. Show location and type of water supply either on map or by written description - This water is contained in a pit which is produced from several oil wells. It is fresh water. (See attached map.)
- B. State method of transporting water, and show any roads or pipelines needed - We will transport water by water truck. The roads needed are shown on attached map. No new roads will be constructed. No pipelines will be needed.
- C. If water well is to be drilled, so state - No water well will be drilled.

6. Source of Construction Materials

- A. Show information either on map or by written description - No entraneous material will be brought in. The native soil will be used as the pad base.
- B. Identify if from Federal or Indian land - Indian
- C. Describe where materials, such as sand, gravel, stone and soil material, are to be obtained and used - As explained in 6.A. the native soil will be used as the pad base.
- D. Show any needed access roads crossing Federal or Indian lands under item 2 - The only access road will be the one described in (2). It will cross Indian land. (See attached map.)

7. Methods for Handling Waste Disposal -

(Describe methods and location of proposed containment and disposal of waste material, including):

- (1) Cuttings - We will contain the cuttings in the mud and reserve pit. After operations they will be disposed of in the reserve pit.
- (2) Drilling fluids - The drilling fluids will be contained in one large steel tank and a reserve pit (earth) while drilling. The fluids will be disposed into the reserve pit when drilling operations are over.

7. (3) Produced fluids - (oil & water) - Produced water will be run into the reserve pit. Oil will also be disposed into the reserve pit unless a large enough amount is produced. If a large amount is produced we will contain it in steel tanks.
- (4) Sewage - Will be disposed of by use of toilet facilities in mobile homes or in a mobile toilet.
- (5) Garbage or other waste material - Will be contained in plastic bags and taken from site when operations end or burned/buried in a trash/burn pit which will be fenced with small mesh wire.
- (6) Statement regarding proper cleanup of well site area when rig moves out. We will completely clean-up site within two (2) days after rig moves out.
8. Auxiliary Facilities - No camps or airstrips will be needed.
9. Well Site Layout - (See attached plot.) Pits will be unlined.
10. Plans for Restoration of Surface -
  - (1) Backfilling, leveling, contouring, and waste disposal; segregation of spoils materials as needed - All pits will be backfilled. We will contour the topsoil, no longer needed. The fluids contained in the reserve pit will be buried as will the trash in the trash/burn pit. Appreciable amounts of waste or produced fluids will be hauled from the site rather than buried. Produced oil will be pumped from pit and removed prior to backfilling pit.
  - (2) Revegetation and rehabilitation - We will reseed all disturbed areas including the access road, in a manner and with the type and quantity of seed that BLM directs.
  - (3) Prior to rig release, pits will be fenced and so maintained until clean up.
  - (4) If there is oil on pit we will remove oil or install overhead flagging.
  - (5) We will commence rehab. operation within one week after operations end and complete rehab. within one week after starting rehab. (except for reseeding which will be done when BLM so directs).

11. Other Information

- (1) Topography, soil characteristics, geologic features, flora and fauna -

The soil in this area varies from that containing appreciable amounts of clays to a sand/gravel mixture. A large amount of soft, surface rock is also present. The plant life consists mainly of sagebrush. The animal life consists of prairie dogs and jack rabbits

- (2) Other surface-use activities and surface ownership of all involved lands -

The surface land is used for winter grazing of sheep and cattle. The surface land is owned by the Navajo tribe.

- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites -

- a. There are several water springs in the area located west and southwest (1-7 miles) from the proposed location. Also the San Juan river is located approx. 12 miles north.
- b. There several homes in the area located 1-3 miles southeast of the proposed location.
- c. There are several cliff dwellings located approx.:
  - (1) 3 miles southeast of the proposed location
  - (2) 6 miles southeast of the proposed location

12. Lessee's or Operator's Representative -

The operator's representative is James E. Bowers, P.O. Box 636, Grand Junction, CO 81502, telephone number: 303-245-1342

13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to

the best of my knowledge, true and correct; and, that the work associated with the operation proposed herein will be performed by Bowers Oil and Gas Exploration, Inc. and its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

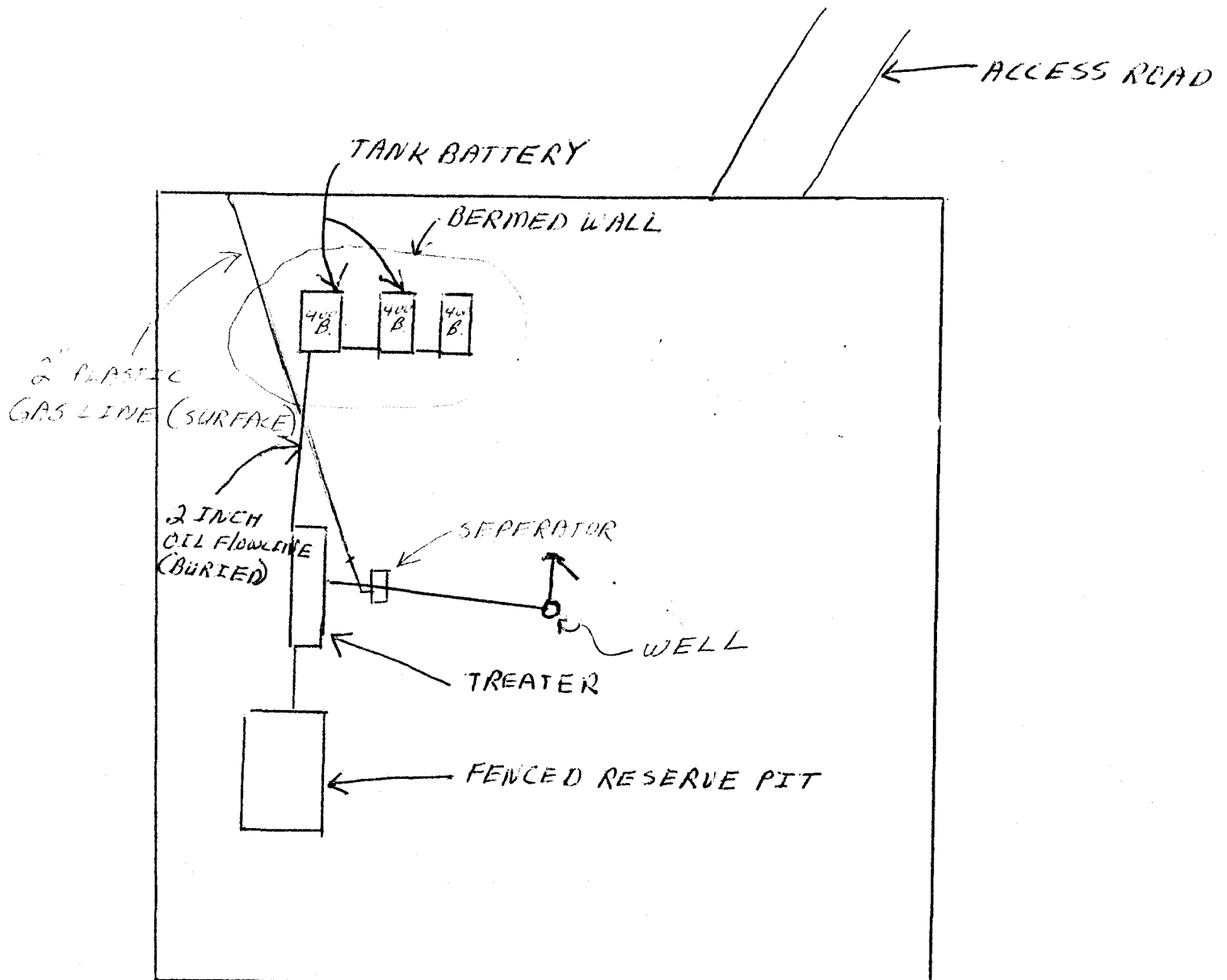
7/22/83  
Dated

James E. Bowers  
James E. Bowers, President  
Bowers Oil & Gas Exploration, Inc.

BOWERS OIL & GAS EXPLORATION INC.

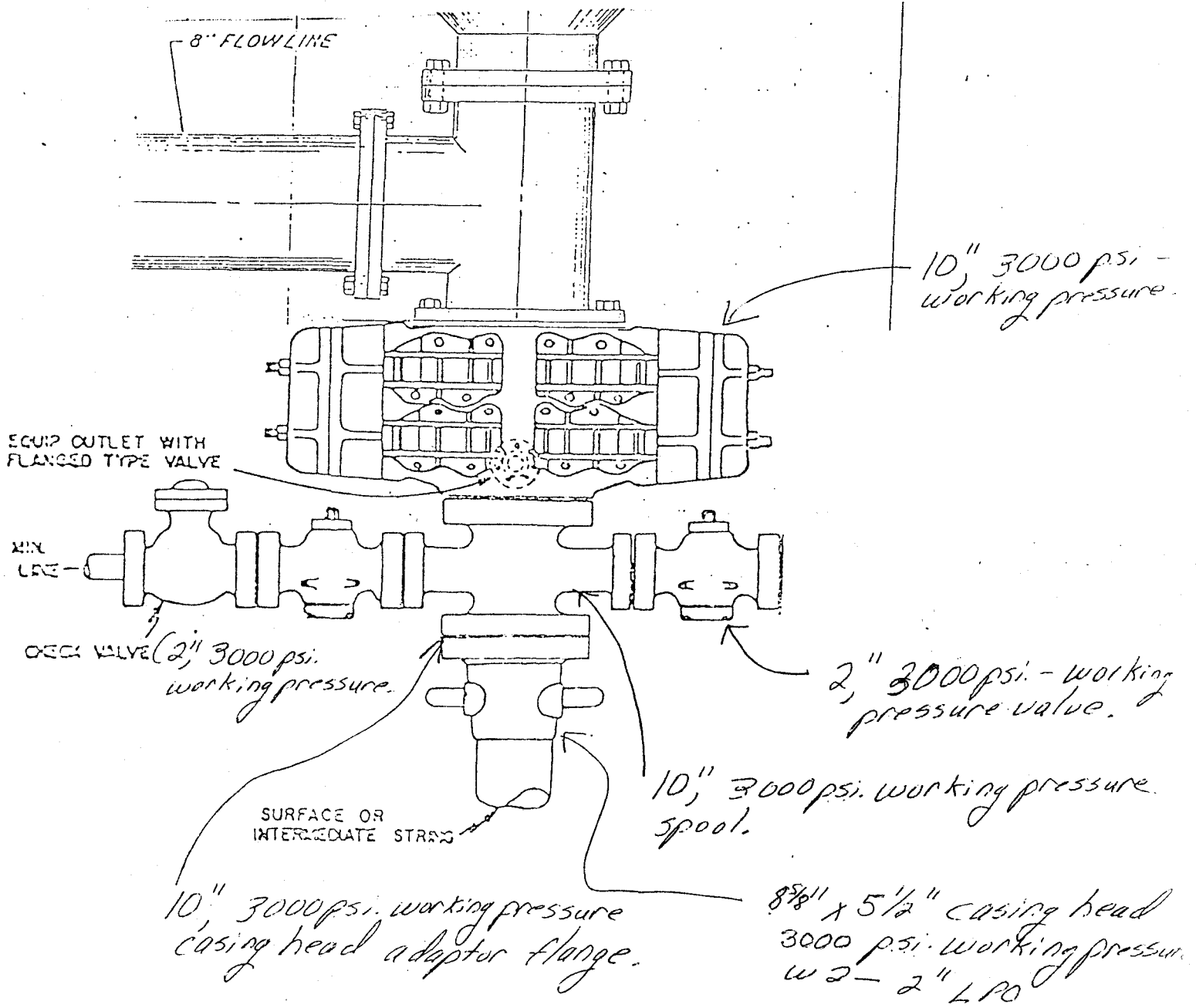
P.O. BOX 636  
GRAND JUNCTION, CO. 81502  
BUS: 303-245-1342  
RES: 303-242-6311

PROPOSED PRODUCTION FACILITIES LAYOUT.



NOT DRAWN  
TO SCALE

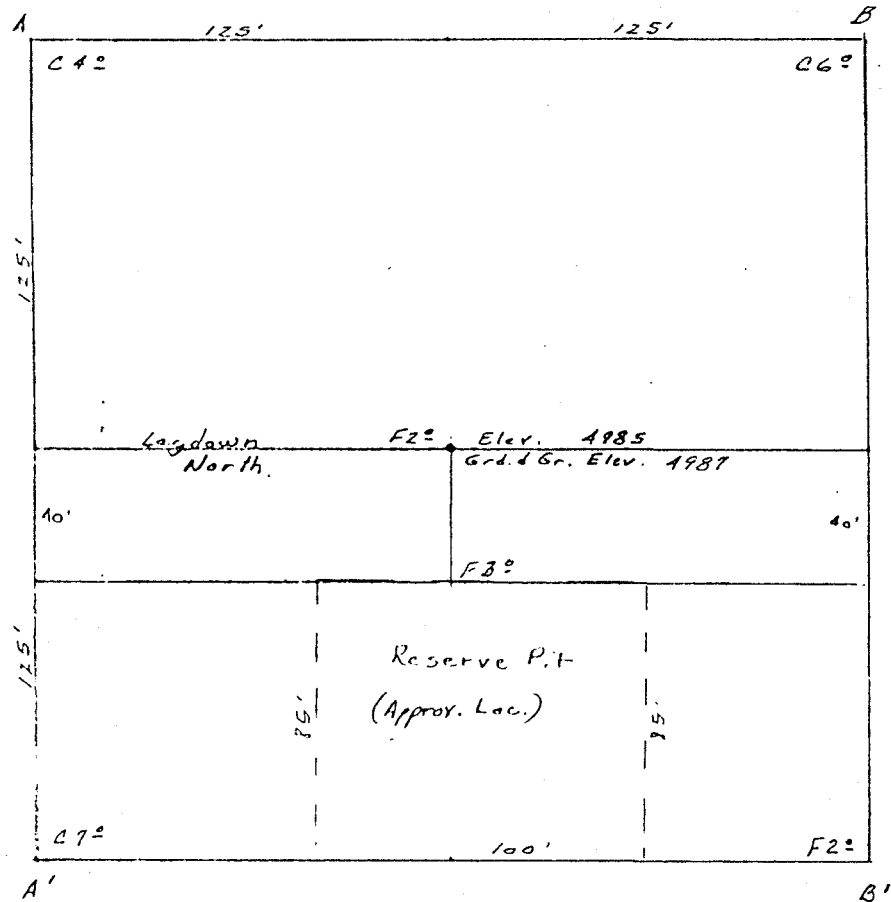
Accumulator system - 120 gal.  
 self contained accumulator with  
 gas driven hydraulic pump. 3000  
 psi. working pressure hydraulic  
 controls on accumulator with  
 manual handles on BOP. Accumulo  
 located on left side of doghouse stair.



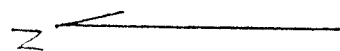
BOP DIAGRAM

East  $\square$  Ref.  
4995

BOWERS OIL & GAS EXPL. INC. #4-33 NAVAJO  
2120'FSL 2120'FWL Sec. 33-T42S-R22E SLM  
SAN JUAN COUNTY, UTAH

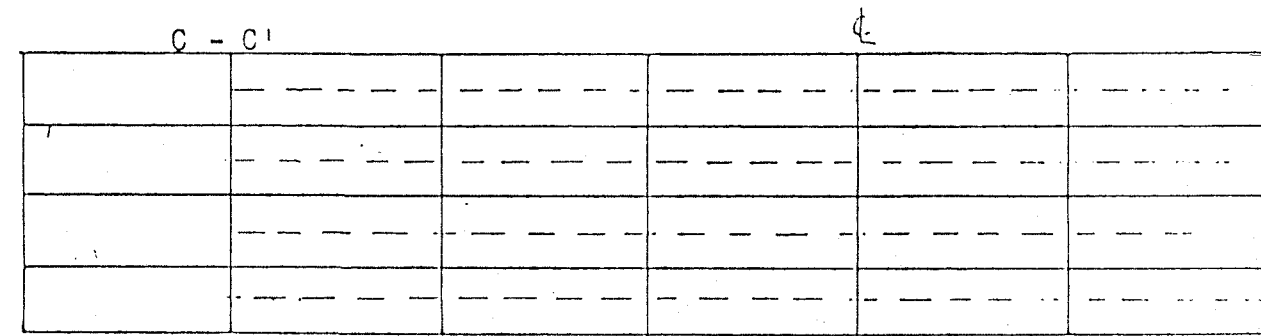
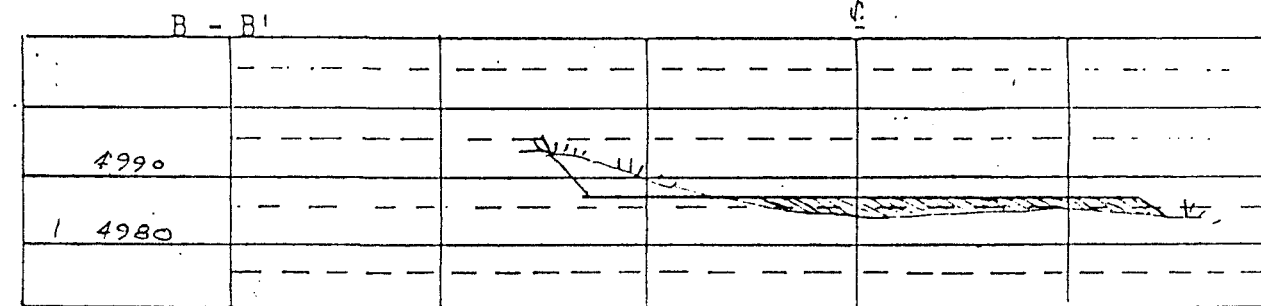
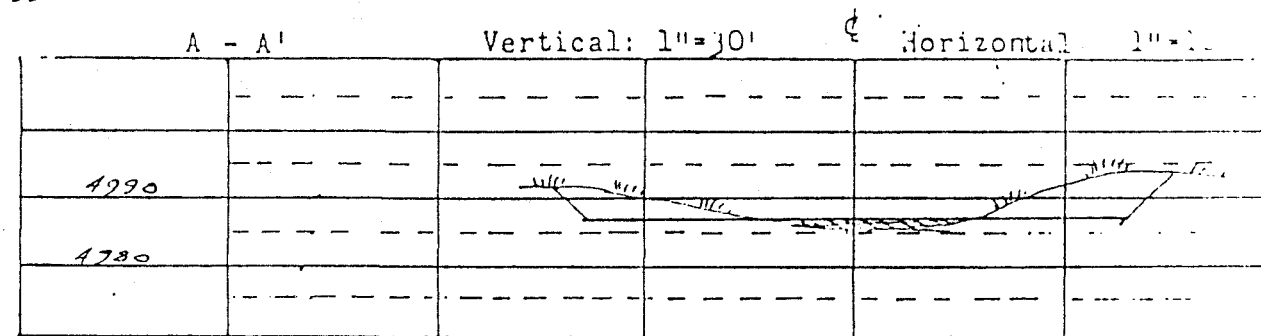


South  
Ref.  
200'  $\square$   
1984



200'  
West  $\square$  Ref.  
4982

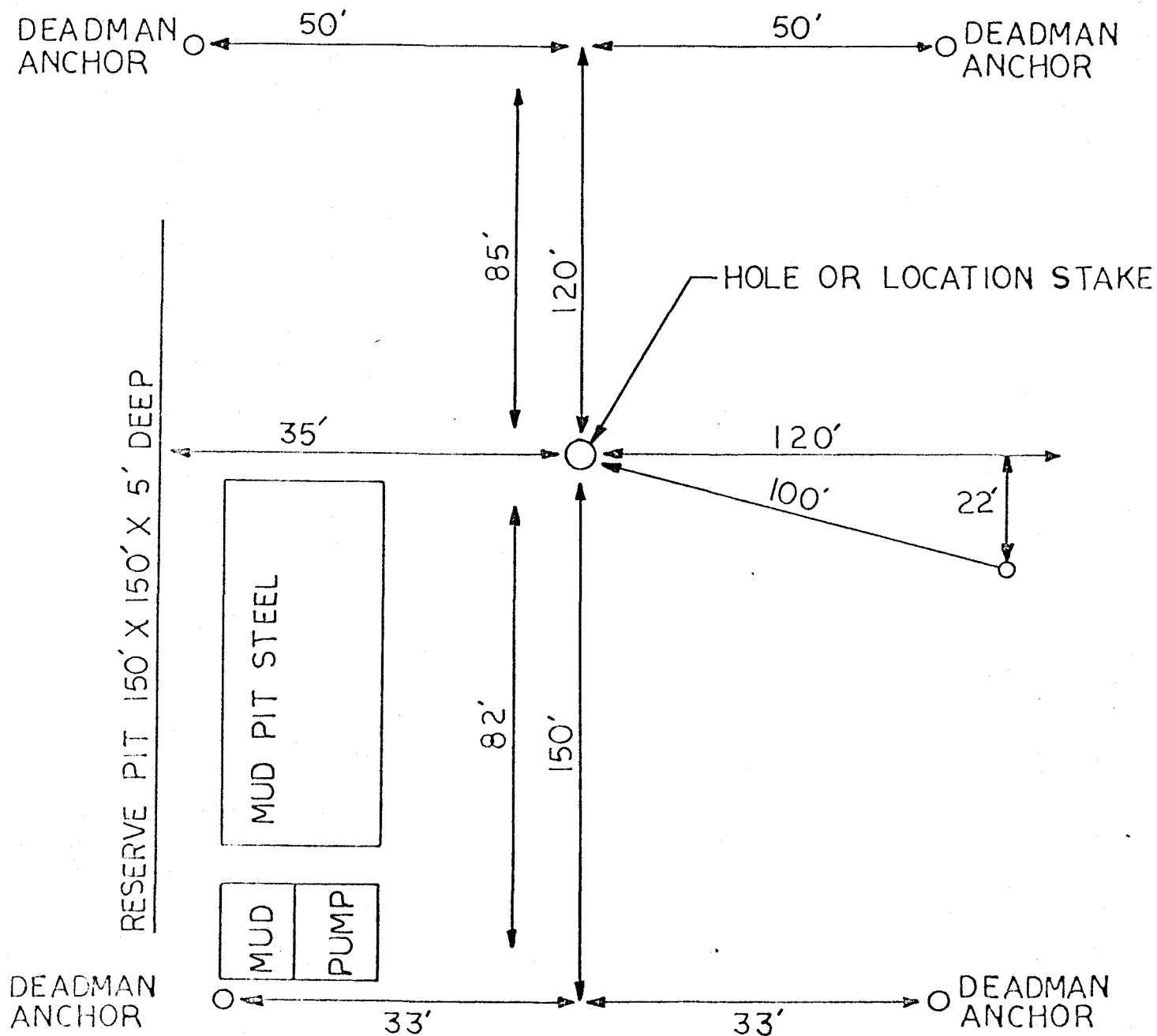
Scale: 1" = 60'






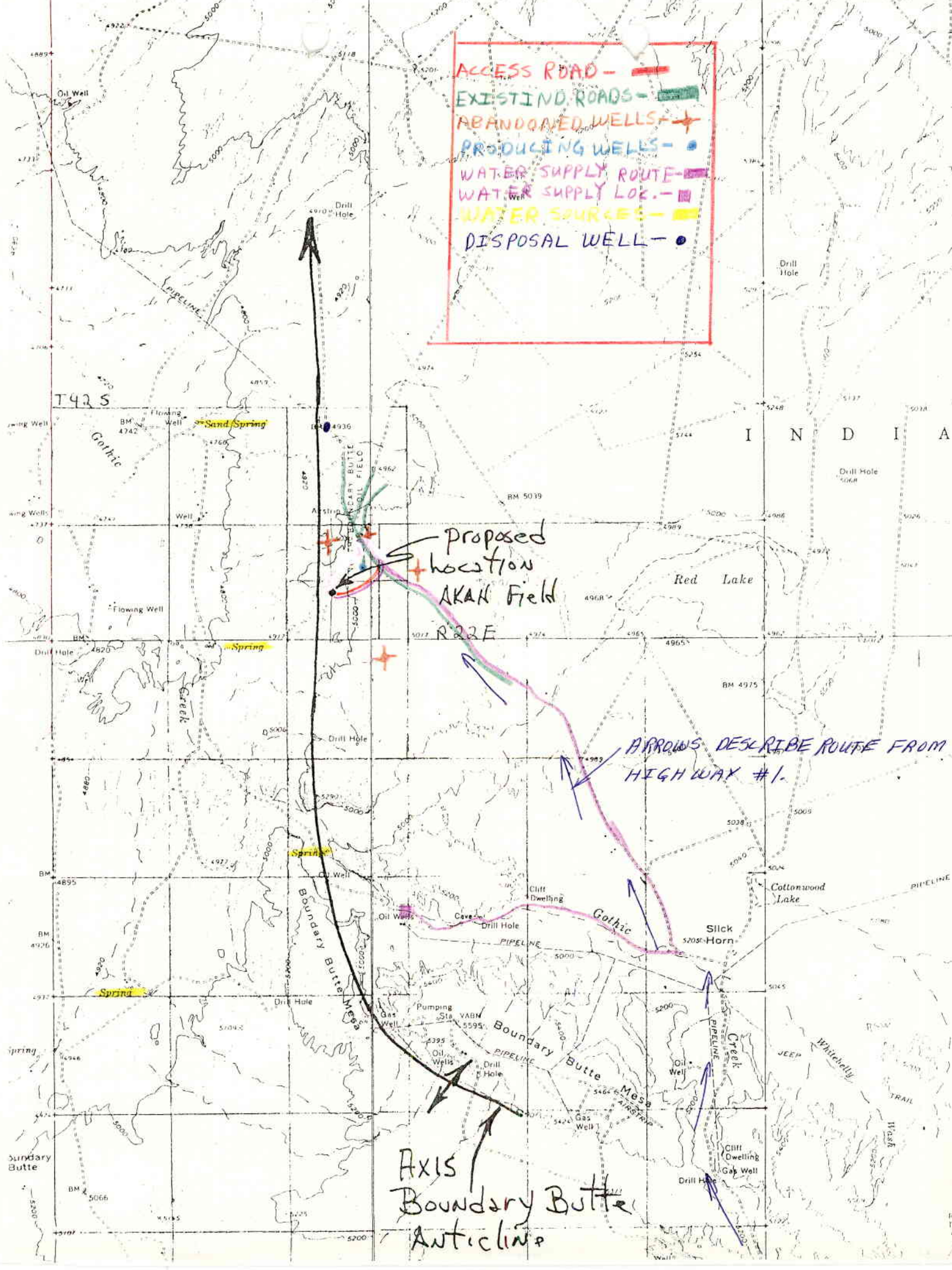


# COLEMAN DRILLING CO

FRONT OF RIG NO. 3



ACCESS ROAD -   
EXISTING ROADS -   
ABANDONED WELLS -   
PRODUCING WELLS -   
WATER SUPPLY ROUTE -   
WATER SUPPLY LOC. -   
WATER SOURCES -   
DISPOSAL WELL - 



OPERATOR BOWERS OIL & GAS EXPLORATION INC DATE 7-28-83

WELL NAME BN # 4-33

SEC NESW 33 T 42 S R 22 E COUNTY SAN JUAN

43-037-30919  
API NUMBER

INDIAN  
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'

CHIEF PETROLEUM ENGINEER REVIEW:

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

WATER

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *W/D/M/N*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER NO

☐ UNIT NO

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 28, 1983

Bowers Oil & Gas Exploration  
P. O. Box 636  
Grand Junction, Colorado 81502

RE: Well No. BM #4-33  
NESW Sec. 33, T. 42S, R. 22E  
2120' FSL, 2120' FWL  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights, (801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30919.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Oil & Gas Operations  
Bureau of Indian Affairs  
BLM, New Mexico  
Encl.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BOWERS OIL & GAS EXPLORATION

WELL NAME: BN 4-33

SECTION NESW 33 TOWNSHIP 42S RANGE 22E COUNTY San Juan

DRILLING CONTRACTOR Coleman

RIG # 2

SPUDED: DATE 3-28-84

TIME 1:30 PM

How Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Denise

TELEPHONE # 303-245-1342

DATE 3-28-84 SIGNED AS

BOWERS OIL & GAS EXPLORATION INC.

P.O. Box 636

GRAND JUNCTION, CO. 81502

BUS: 303-245-1342

RES: 303-242-6311

June 13, 1984

RECEIVED

JUN 19 1984

DIVISION OF OIL  
GAS & MINING

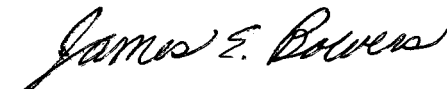
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Re: BN Well #4-33, SW/4 Sec. 33,  
T42S, R22E, San Juan County,  
Utah

Gentlemen:

Enclosed, in duplicate, is the completion report and the  
water sand report for the above captioned well.

Sincerely,



James E. Bowers  
President

JEB:ddj  
Enclosures

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
			DIFF. RESVR. <input type="checkbox"/>	Other _____	
2. NAME OF OPERATOR Bowers Oil & Gas Expl., Inc.					
3. ADDRESS OF OPERATOR P.O. Box 636, Grand Jct., CO 81502					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2120' FWL, 2120' FSL NE SW					
At top prod. interval reported below same as above					
At total depth same as above					
14. PERMIT NO. 43-037-30919					
15. DATE SPUDDED 3/28/84					
16. DATE T.D. REACHED 4/8/84		17. DATE COMPL. (Ready to prod.) 5/24/84		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4998' KB	
19. ELEV. CASINGHEAD 4986'					
20. TOTAL DEPTH, MD & TVD 5600'		21. PLUG, BACK T.D., MD & TVD 5378'		22. IF MULTIPLE COMPL., HOW MANY* n/a	
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-TD		CABLE TOOLS n/a	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5240-5245' Lower Akah					25. WAS DIRECTIONAL SURVEY MADE yes
26. TYPE ELECTRIC AND OTHER LOGS RUN Comp. Neutron-Litho Density, Dual Induction-SEI, Cyberlook, CBL					27. WAS WELL CORED no
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	387'	12 1/4"	310 sx. class B, 2% CaCl	none
5 1/2"	15.5#	5589'	7 7/8"	450 sx. 10-2 RFC	none
		(139 jts.)			
29. N/A LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2 7/8"	5296' (Bottom of mud anchor)	n/a			
31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
A. 5438-44', 2-3/8" JSPF			DEPTH INTERVAL (MD)		
5431-35', 2-3/8" JSPF			AMOUNT AND KIND OF MATERIAL USED		
B. 5241-45', 2-3/8" JSPF			5241-45 1000 gal 28% HCL		
C. 4831-35', 2-3/8" JSPF			4831-35 1000 gal 28% HCL		
D. 4746-54', 2-3/8" JSPF			4754-46 250 gal 28% HCL		
33. 4702-08', 2-3/8" JSPF			4702-08 250 gal 28% HCL		
34. PRODUCTION (Cont'd see attachment)					
DATE FIRST PRODUCTION 5/24/84		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping, 2 1/2" X 1 1/4" X 16' THD			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 5/30/84	HOURS TESTED 24 hrs.	CHOKE SIZE n/a	PROD'N. FOR TEST PERIOD	OIL—BBL. 31	GAS—MCF. 25
WATER—BBL. TSTM	GAS-OIL RATIO 806:1				
FLOW. TUBING PRESS. n/a	CASING PRESSURE n/a	CALCULATED 24-HOUR RATE	OIL—BBL. 31	GAS—MCF. 25	WATER—BBL. TSTM
35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) some used for fuel, some vented					TEST WITNESSED BY James E. Bowers
36. LIST OF ATTACHMENTS continuation of #32 above					
37. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED James E. Bowers		TITLE President		DATE 6/13/84	

\*(See Instructions and Spaces for Additional Data on Reverse Side)



# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 28, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
DeChelly	1730'	2025'	Unknown	DeChelly	1730'
Lower Ismay	4694'	4780'	Water	Organ Rock	2020'
Desert Creek	4832'	4836'	Water	Hermosa	3770'
Akah-Barker Creek	5240'	5245'	Oil and Gas	Upper Ismay	4632'
Lower Hermosa	5420'	5438'	Water	Lower Ismay	4694'
				Desert Creek	4794'
				Akah	5002'
				Lower Hermosa	5340'

#32. Squeezed 4831-35' with 225 sx. Class B  
4746-44' and 4702-08' with 100 sx. Class B

JUN 19 84

FILE IN TRIPLICATE  
FORM OGC-8-XDIVISION OF OIL  
GAS & MININGSTATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*Well Name & Number BN #4-33Operator Bowers Oil & Gas Expl., Inc. Address P.O. Box 636, Grand Jct., CO 81502Contractor Coleman Drilling Address Farmington, New MexicoLocation NE 1/4 SW 1/4 Sec. 33 T: 42S R. 22E County San JuanWater Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. 4694	4780'	50 BWPH	salty (sulphur)
2. 4832	4836'	50 BWPH	Salty (sulphur)
3. 5420	5438'	2-3 BWPH	Salty
4.			
5.			

(Continue of reverse side if necessary)

Formation Tops DeChelly-1730', Organ Rock-2020', Hermosa-3770', Upper Ismay-4632',  
Lower Ismay-4694', Aesert Creek-4794', Akah-5002', Lower Hermosa-5340'Remarks

None

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules  
and Regulations and Rules of Practice and Procedure.(b) If a water analysis has been made of the above reported zone,  
please forward a copy along with this form.

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT **TRIPPLICATE\***  
 (Other instructions on  
 reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-236
<b>2. NAME OF OPERATOR</b> Bowers Oil & Gas Exploration, Inc.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo
<b>3. ADDRESS OF OPERATOR</b> P.O. Box 636, Grand Junction, CO 81502		<b>7. UNIT AGREEMENT NAME</b> n/a
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2120' FWL, 2120' FSL		<b>8. FARM OR LEASE NAME</b> Navajo
<b>14. PERMIT NO.</b> 43-037-30919		<b>9. WELL NO.</b> BN Well #4-33
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 4998' KB		<b>10. FIELD AND POOL, OR WILDCAT</b> Akah Field
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 33, T42S, R22E
<b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS</b> (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		<b>12. COUNTY OR PARISH</b> San Juan
<b>18. STATE</b> Utah		<b>13. STATE</b> Utah

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Request to vent gas <input type="checkbox"/>	

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The production from the above captioned well has decreased to approx. 6 BOPD and 20 MCFGPD after the initial 30 day producing period. As explained in a separate sundry notice, we plan to acid frac the well in order to increase production. Until that time we request permission to: A. vent the gas not used for production purposes on the lease. The amount vented would only be 5-10 MCFGPD. Since it is three miles to an existing line, and compression would be needed to produce gas into the line, doing anything with the excess gas, except venting, would be uneconomical. B. We further request we be allowed to evaluate the production rate of the well after the frac before we paint the surface equipment. We request this because if the well proves non-commercial we will need to move the equipment to another location that may require a different color.

**RECEIVED**

JUN 27 1984

DIVISION OF  
OIL, GAS, AND MINING

**18. I hereby certify that the foregoing is true and correct**

SIGNED

*James E. Bowers*

TITLE

President

DATE 6/21/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPLICATE\*  
(Other instructions on  
reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/> <b>2. NAME OF OPERATOR</b> Bowers Oil & Gas Exploration, Inc. <b>3. ADDRESS OF OPERATOR</b> P.O. Box 636, Grand Junction, CO 81502 <b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2120' FWL, 2120' FSL		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-236 <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo <b>7. UNIT AGREEMENT NAME</b> n/a <b>8. FARM OR LEASE NAME</b> Navajo <b>9. WELL NO.</b> BN Well #4-33 <b>10. FIELD AND POOL, OR WILDCAT</b> Akah Field <b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 33, T42S, R22E SLB & M <b>12. COUNTY OR PARISH</b> San Juan <b>13. STATE</b> Utah
<b>14. PERMIT NO.</b> 43-037-30919	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 4998' KB	

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input checked="" type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We request permission to acid fracture this well after perforating more of the Akah zone. The well is completed in the Akah from 5240 to 5245'. We would perforate, with one, 3/8" jet shot/ft. 5215-18', 5261-68', and 5278-86'. We would acidize with approx. 10,000 gals. of 15% HCL acid using ball sealers. We would treat down the tubing, setting a packer above the perforations. We anticipate max. pressure to be approx. 5000 psi. Our treating rate would be about 5 bbls./min.

**RECEIVED**

**JUN 27 1984**

**DIVISION OF OIL  
GAS & MINING**

**18. I hereby certify that the foregoing is true and correct**

**SIGNED** James E. Bowers **TITLE** President **DATE** 6/21/84

(This space for Federal or State office use)

**APPROVED BY** \_\_\_\_\_ **TITLE** \_\_\_\_\_ **DATE** \_\_\_\_\_  
**CONDITIONS OF APPROVAL, IF ANY:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-236
2. NAME OF OPERATOR Bowers Oil & Gas Exploration, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P.O. Box 636, Grand Junction, Colorado 81502		7. UNIT AGREEMENT NAME n/a
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2120' FWL, 2120' FSL		8. FARM OR LEASE NAME Navajo
14. PERMIT NO. 43-037-30919		9. WELL NO. BN #4-33
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4998' KB		10. FIELD AND POOL, OR WILDCAT Akah Field
16. DIVISION OF OIL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T42S, R22E SLB & M
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

RECEIVED

AUG 29 1984

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- A. 8/18/84 - We perforated the following: 5283', 5279', 5265'-67', 5216', and 5214'.
- B. 8/20/84 - We acidized well using 3000 gal., 20% HCL acid. Averaged rate of 6 BPM at 3600 psi.
- C. 8/22/84 - Put well back on pump.

18. I hereby certify that the foregoing is true and correct

SIGNED

*James S. Bowers*

TITLE President

DATE 8/27/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN TRIPLICATE\*  
 (Other instructions on  
 reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></b> <b>2. NAME OF OPERATOR</b> Bowers Oil & Gas Exploration, Inc.		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-236 <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo <b>7. UNIT AGREEMENT NAME</b> n/a <b>8. FARM OR LEASE NAME</b> Navajo <b>9. WELL NO.</b> BN #4-33 <b>10. FIELD AND FOOT, OR WILDCAT</b> Akah Field <b>11. SEC., T., R., N., OR S.E. AND SURVEY OR AREA</b> Sec. 23, T42S, R22E SLB&M <b>12. COUNTY OR PARISH</b> San Juan <b>13. STATE</b> Utah
<b>3. ADDRESS OF OPERATOR</b> P.O. Box 636, Grand Junction, CO 81502 <b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)</b> At surface 2120' FWL, 2120' FSL		<div style="border: 2px solid black; padding: 5px; transform: rotate(-15deg); font-weight: bold; font-size: 1.2em;">             RECEIVED              SEP 18 1985              DIVISION OF OIL              GAS &amp; MINING           </div>
<b>14. PERMIT NO.</b> 43-037-30919 <b>15. ELEVATIONS (Show whether DF, RT, OR, etc.)</b> 4998' KB		

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \***

We request permission to acidize this well using approximately 3000 gal. of 28% HCL. Pressure is not expected to exceed 3500 psi. We also request permission to take produced oil from the tank, located at this well, to be used in the treatment.

Federal approval of this action  
 is required before commencing  
 operations.

**ACCEPTED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING**

DATE: 9/18/85  
 BY: John R. Bay

**18. I hereby certify that the foregoing is true and correct**

SIGNED James E. Bowers

TITLE President

DATE 9/16/85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

**SUBMIT IN TRIPLICATE\***  
 (Other instructions on  
 reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back or abandon a well.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

**RECEIVED**

1. <b>OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		5. <b>LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-236	
2. <b>NAME OF OPERATOR</b> Bowers Oil & Gas Exploration, Inc.		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo	
3. <b>ADDRESS OF OPERATOR</b> P.O. Box 636, Grand Jct., CO 81502		7. <b>UNIT AGREEMENT NAME</b> n/a	
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2120' FWL, 2120' FSL		8. <b>FARM OR LEASE NAME</b> Navajo	
14. <b>PERMIT NO.</b> 43-037-30919		9. <b>WELL NO.</b> BN #4-33	
15. <b>ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 4998' KB		10. <b>FIELD AND POOL, OR WILDCAT</b> Akah Field	
		11. <b>SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 33, T42S, R22E SLB&M	
		12. <b>COUNTY OR PARISH</b> San Juan	13. <b>STATE</b> Utah

**SEP 30 1985**

**DIVISION OF OIL  
GAS & MINING**

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

**SUBSEQUENT REPORT OF:**

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETE ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOT OR ACIDIZE ☐

ABANDON\* ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT\* ☐

REPAIR WELL ☐

CHANGE PLANS ☒

(Other) ☐

(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We recently received an approved sundry notice regarding acidizing this well. We have decided to not perform the treatment at this time.

18. I hereby certify that the foregoing is true and correct

SIGNED

*James S. Bowers*

TITLE

President

DATE

9/25/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN TRIPLICATE\*  
 (Other instructions on  
 reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back or otherwise alter a well.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

**RECEIVED**

OCT 15 1985

DIVISION OF OIL  
 GAS & MINING

1. <b>OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		5. <b>LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-236
2. <b>NAME OF OPERATOR</b> Bowers Oil & Gas Exploration, Inc.		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo
3. <b>ADDRESS OF OPERATOR</b> P.O. Box 636, Grand Junction, CO 81502		7. <b>UNIT AGREEMENT NAME</b> n/a
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2120' FWL, 2120' FSL		8. <b>FARM OR LEASE NAME</b> Navajo
14. <b>PERMIT NO.</b> 43-037-30919		9. <b>WELL NO.</b> BN #4-33
15. <b>ELEVATIONS</b> (Show whether DF, RT, OR, etc.) 4998' KB		10. <b>FIELD AND POOL, OR WILDCAT</b> Akah Field
		11. <b>SEC., T., R., M., OR BLM. AND SURVEY OR AREA</b> Sec. 33, T42S, R22E, SLB&M
		12. <b>COUNTY OR PARISH</b> San Juan
		13. <b>STATE</b> Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

**NOTICE OF INTENTION TO:**

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☒

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

**SUBSEQUENT REPORT OF:**

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

We recently submitted and then cancelled a sundry notice to acidize this well. Due to an increased drop in production since that time we wish to refile that sundry.

We request permission to acidize this well using approximately 3000 gal. of 28% HCL. Pressure is not expected to exceed 3500 psi. We also request permission to take produced oil from the tank, located at this well, to be used in the treatment.

Federal approval of this action  
 is required before commencing  
 operations.

ACCEPTED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING

DATE: 10/16/85  
 BY: John R. Bays

18. I hereby certify that the foregoing is true and correct

SIGNED

*James E. Bowers*

TITLE

President

DATE

10/11/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



# STATE OF COLORADO

DEPARTMENT OF  
STATE

## CERTIFICATE

RECEIVED  
JAN 08 1988

DIVISION OF  
OIL, GAS & MINING

I, NATALIE MEYER, Secretary of State of the State of Colorado hereby certify that the prerequisites for the issuance of this certificate have been fulfilled in compliance with law and are found to conform to law.

Accordingly, the undersigned, by virtue of the authority vested in me by law, hereby issues A CERTIFICATE OF

AMENDMENT TO BOWERS OIL AND GAS, INC., FORMERLY KNOWN AS BOG, INC.

Dated: SEPTEMBER 19, 1988

---

SECRETARY OF STATE

UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)Page 1 of 1

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• BOG INC (BOWERS)  
P O BOX 636  
GRAND JUNCTION CO 81502  
ATTN: DENISE D. JOHNSON

Utah Account No. N0150Report Period (Month/Year) 1 / 89Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
X ADAMS # 22-2 FEDERAL					
4301930664 00245 20S 21E 22	MRSN				
X ADAMS #22-1 FEDERAL					
4301930684 00245 20S 21E 22	MRSN				
X BOWERS FED #1-6					
4301930411 00420 20S 24E 6	BUKHN				
X BO-TX #2-36					
4301930747 00430 20S 21E 36	DKTA				
X TUMBLEWEED #1					
4301930513 02235 20S 21E 27	MNCS				
X FEDERAL TUMBLEWEED #27-5					
4301930715 02235 20S 21E 27	MNCS				
X TUMBLEWEED 27-8					
4301931165 02235 20S 21E 27	MNCS				
X FEDERAL 22-3					
4301930665 02236 20S 21E 22	MNCS				
X TUMBLEWEED 27-3					
4301930643 02260 20S 21E 27	MRSN				
X AKAH #1					
4303715870 06240 42S 22E 33	PRDX				
X ADAMS #1 STATE					
4301915106 06275 20S 21E 36	DKTA				
X E CISCO FEDERAL 1-3					
4301930557 08235 20S 23E 1	MRSN				
X BN #4-33					
4303730919 09170 42S 22E 33	AKAH				
TOTAL					

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

Authorized signature

Telephone

PLEASE COMPLETE FORMS IN BLACK INK

1- LCR	<input checked="" type="checkbox"/>
2- DTS	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- LCR	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-90)

TO (new operator) MURDOCH OIL COMPANY, INC.  
(address) P. O. BOX 1  
CISCO, UT 84515  
ATTN: GEORGE A. CHRITTON, JR.  
phone (801) 259-7030  
account no. N0365

FROM (former operator) BOWERS OIL AND GAS, INC.  
(address) P. O. BOX 636  
GRAND JUNCTION, CO 81502  
phone (303) 245-1342  
account no. N1065

Well(s) (attach additional page if needed):

<sup>POW</sup>  
Name: BN #4-33/AKAH API: 4303730919 Entity: 9170 Sec 33 Twp 42S Rng 22E Lease Type: INDIAN  
Name: \_\_\_\_\_ API: \_\_\_\_\_ Entity: \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_ Lease Type: \_\_\_\_\_  
Name: \_\_\_\_\_ API: \_\_\_\_\_ Entity: \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_ Lease Type: \_\_\_\_\_  
Name: \_\_\_\_\_ API: \_\_\_\_\_ Entity: \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_ Lease Type: \_\_\_\_\_  
Name: \_\_\_\_\_ API: \_\_\_\_\_ Entity: \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_ Lease Type: \_\_\_\_\_  
Name: \_\_\_\_\_ API: \_\_\_\_\_ Entity: \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_ Lease Type: \_\_\_\_\_  
Name: \_\_\_\_\_ API: \_\_\_\_\_ Entity: \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_ Lease Type: \_\_\_\_\_

#### OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 12-5-90) (Received 12-10-90)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 12-7-90) (Received 12-17-90)
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: # 146386.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-16-91)
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## ND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

## ASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

## LMING

All attachments to this form have been microfilmed. Date: January 24 1991.

## ING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

## MENTS

901219 Bfm/Mcrah No record "Indian Lease"

901219 Bfm/Farmington NM No record as of yet. (Errol Beecher out of office)

101220 Bfm/Farmington NM (Errol Beecher) will check with BIA & call back.

910114 Mr. Chritton/Murdoch Oil Co. - Paperwork sent to Bfm/NM was lost / misfiled however BIA sent him a letter acknowledging change and requesting follow-up of filing 134-35 paperwork.



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

3 Trad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

DOGM 56 04 23  
7/85

NOV 29 1990

Page 1 of 1

## PRODUCING ENTITY ACTION

DIVISION OF  
OIL, GAS & MINING

### ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

BRACKET WELLS TO BE GROUPED TOGETHER.

Operator Name MURDOCH Oil Co., Inc.  
Address P.O. Box 1  
City PISCO, State UTAH Zip 84515  
Utah Account No. N1250  
Authorized Signature George A. Chritton, Jr.  
Effective Date 10/1/90 Telephone (801) 259-7030

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q-Q	County	
B	09170		4303730919024 <del>AKH</del>	BN # 4-33	33	42S	22E	NESW	SAN JUAN	AKH

Explanation of action:

--	--	--	--	--	--	--	--	--	--	--

Explanation of action:

--	--	--	--	--	--	--	--	--	--	--

Explanation of action:

--	--	--	--	--	--	--	--	--	--	--

Explanation of action:

an equal opportunity employer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Expires August 31, 1985  
5. LEASE DESIGNATION AND SERIAL NO.  
14-20-603-236  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen wells. Use "APPLICATION FOR PERMIT" form.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

5. PERMIT NO.

6. ELEVATIONS (Show whether OF, RT, OR, etc.)

Bowers Oil & Gas, Inc.  
P.O. Box 636, Grand Junction, CO 81501  
4-33 -- 2120' FWL, 2120' FSL, NE1SW1  
43-037-30919 4998' KB

7. UNIT AGREEMENT NAME  
N/A  
8. FARM OR LEASE NAME  
Navajo  
9. WELL NO.  
BN #4-33  
10. FIELD AND POOL, OR WILDCAT  
N/A  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 33, T42S, R22E, SLB&M  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
Utah

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other) Change of Operator	<input checked="" type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective October 1, 1990 the BN #4-33 well has been sold to Murdoch Oil Company, Box 1, Cisco, Utah 84515. Murdoch Oil Company accepts the responsibilities as operator of the well. Bowers Oil and Gas, Inc. will no longer operate the well as of October 1, 1990.

I hereby certify that the foregoing is true and correct.

SIGNED James S. Bowers TITLE President Bowers Oil and Gas, Inc. DATE 10/1/90

18. I hereby certify that the foregoing is true and correct

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions on Reverse Side

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DEC 17 1990

DEPT. OF  
OIL, GAS & MINING

Murdoch Oil Co.  
P.O. Box 1  
Circleville, UT 84515  
Dec. 7, 1990

Dear Mrs. Romero:

This letter will confirm our telephone conversation today. Bowers Oil & Gas, Inc. has sold to Murdoch Oil Company well # BN 4-33 effective Oct. 1, 1990.

Thanks for your assistance.

Yours truly,  
George A. Chilton, Jr.

BN #4-33

Sec. 33, T42S, R22E

43-037-30919



# RECEIVED

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
**14-20-603-236**

6. If Indian, Allottee or Tribe Name  
**NAVASO**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**NAVASO 43-037-30919**

9. API Well No.  
**BN #4-33**

10. Field and Pool, or Exploratory Area  
**AKAH Field, AKAH Pool**

11. County or Parish, State  
**SEC-33 T425-R22 E San Juan, Utah** **SLB&B**

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**Murdoch Oil Company, Inc.**

3. Address and Telephone No.  
**P.O. Box 300 Bluff, Utah 84512**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2120' FWL, 2120' ESL, NE 1/4 SW 1/4**

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☒ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

**request to dispose of produced  
water into an unlined pit**

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Per NTL-2B we request permission to dispose of water produced from this well into the present unlined pit. We request exception #4 of paragraph IV be used as the basis for this request. That exception allows the regulatory agency to grant permission if the volume of water disposed does not exceed five bbls./day on a monthly basis.

This well:

1. Produces about 2 gallons of produced water per day.
2. The evaporation rate in this area is approximately .36 inches per day.
3. Enclosed is a section of the topographical map which shows the size and location of the pit.
4. We estimate the percolation rate beneath and around the pit to be about 2 inches per hour.
5. There is a fresh water aquifer at around 200ft. It covers an area at least 5 miles in a radial extent.
6. There is another well on this location, AKAH #1, which also produced water into the pit. We do not operate the well, however it also produces about 2 gallons of water per day.
7. We request permission to not have to send in an annual report. (Next separate page -)

14. I hereby certify that the foregoing is true and correct

Signed **Elyse Peterson**

Title **owner**

Date **05-25-02**

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

COPY SENT TO OPERATOR

Date: **6-11-02**  
Initials: **LHO**

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 22 2010

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
14-20-603-286

6. Indian, Allottee or Tribe Name  
Navajo

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Murdoch Oil Co, Inc.

3a. Address  
P.O. Box 300, Bluff, UT 84512

3b. Phone No. (include area code)  
435-459-1333 (435-459-4690)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/SW Sec. 33-T.42S-R.22E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Navajo BN4-33

9. API Well No.  
43-037-30919

10. Field and Pool or Exploratory Area  
AKAH

11. Country or Parish, State  
San Juan Co, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

We propose to plug and abandon the above named well in the following manner:

Set bridge plug @ 4650' ( 50' above perf's )  
Set cement plug @ 4600' ( 50' above bridge plug )  
Set cement retainer @ 1780' ( 50' below top Dechelly )  
Set 100' cement plug above retainer inside / outside  
Set cement retainer @ 500'  
Set 100' cement plug above retainer inside / outside  
Set 50' top plug

See attached

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL



H<sub>2</sub>S POTENTIAL EXIST

RECEIVED

FEB 22 2010

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Elyce Pehrson

Title President

Signature

Elyce Pehrson

Date

06-16-2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Original Signed: Stephen Mason

Title

PE

Date

JUN 24 2008

Office

F-DU

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

OPERATOR

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 4-33 BN Navajo

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Bring the top of the Ismay plug to 4582'.
  - b) Place the Hermosa plug from 3820' – 3720'.
  - c) Place the DeChelly plug from 1780' - 1680' inside and outside the 5 ½" casing.
  - d) Place the Chinle plug from 871' – 771' inside and outside the 5 ½" casing.
  - e) Place the Surface plug from 437' – surface inside and outside the 5 ½" casing.

**RECEIVED**

**FEB 22 2010**

**DIV. OF OIL, GAS & MINING**

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

**Plugging plan for the well # 4-33 BN Navajo**

- 1) Set bridge plug @ 4650'. Place cement from 4650' – 4583' to cover the Ismay top.
- 2) Place a cement plug from 3820' – 3720' to cover the Hermosa top.
- 3) Perf @ 1780'. Place a cement retainer @ 1730' and place cement inside and outside the 5 1/2" casing from 1780' – 1680'.
- 4) Place the Chinle plug from 871' – 771' inside and outside the 5 1/2" casing.
- 5) Place the surface plug from 437' to surface inside and outside the 5 1/2" casing.

From Elyce Pehrson  
Steve Pehrson  
Murdoch Oil Co  
P.O. Box 300  
Bluff, Ut. 84512

02-18-2010

Contact Phone: 435-459-4690

To State of Utah, Dan Jarvis  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 W. N. Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City Ut. 84114-5801

RECEIVED

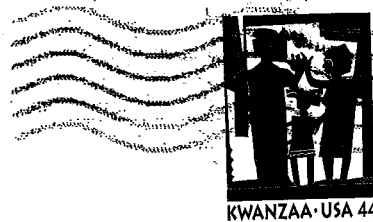
FEB 22 2010

DIV. OF OIL, GAS & MINING

notice regarding to Plugged Murdoch Oil  
Well - name Navajo BN 4-33 Api Well # 43-037-30919  
talk with Chris Kierst and notify  
Person Dan Jarvis. Mr Jarvis please  
give us a call if any information you  
may need. We are sending you approval  
of Plugging 1-well out on Navajo Reservation  
Akeh Field. For any information call us on  
435-459-4690. I was told to contact Mr.  
Jarvis in 24 hrs, before Plugging.

Elyce Pehrson  
Murdoch Oil Company  
P.O. Box 300  
Bluff, Ut 84512-0300

SALT LAKE CITY UT 841  
STATEMAIL SVCS 02/22/2010 04:37 AM  
20 FEB 2010 PM 1 T



Dan J.

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
Murdoch Oil Co., Inc.

3. ADDRESS OF OPERATOR:  
P. O. Box 300 CITY Bluff STATE UT ZIP 84512

PHONE NUMBER:  
(435) 459-1333

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2120 FSL, 2120 FWL

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 33 42S 22E

5. LEASE DESIGNATION AND SERIAL NUMBER:  
14-20-603-236

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
Navajo

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
Navajo BN 4-33

9. API NUMBER:  
43-037-30919

10. FIELD AND POOL, OR WILDCAT:  
AKAH

COUNTY: San Juan County

STATE:  
UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:  3/5/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

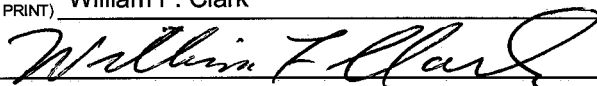
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was plugged and abandoned per the attached report on March 5, 2010.

NAME (PLEASE PRINT) William F. Clark

TITLE President, A-Plus Well Service, Inc., as contractor

SIGNATURE



DATE 3/11/2010

(This space for State use only)

RECEIVED

MAR 16 2010

DIV. OF OIL, GAS & MINING

# A-PLUS WELL SERVICE, INC.

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \* fax: 505-325-1211

Murdoch Oil Co., Inc.  
**Navajo BN 4-33**

March 5, 2010  
Page 1 of 2

2120' FSL & 2120' FWL, Section 33, T-42-S, R-22-E  
San Juan County, Utah  
Lease Number: 14-20-603-236  
API #43-037-30919

## Plug & Abandonment Report

Notified BLM on 2/26/10

### Plugging Summary:

02/26/10 Drive rig and equipment to location; spot rig. SDFD.

03/01/10 RU rig and equipment. Check well pressures: casing, 35 PSI; tubing, 0 PSI; no H2S. PU on rods and remove bridle. Pull pump jack out of way. Line existing pit. Blow down well. Unseat pump. LD polish rod. LD 68 - 7/8" rods, 120 - 3/4" rods, 1 bottom hold down pump. ND wellhead. Strip on 8.625" A-Plus companion flange and BOP; test. Remove tubing hanger. TOH with LD 150 joints tubing; then LD 18 joints, 3 blast joints, SN, 1 - 4' perf sub, and 1 tail joint. Total of 172 joints 2.875" tubing. SI well.

03/02/10 Check pressures: casing, 15 PSI; bradenhead, 0 PSI. Blow down to pit. Dig out bradenhead valve. Install 2" ball valve on bradenhead. Round trip 5.5" gauge ring to 4650'. RIH with 5.5" wireline set CIBP and set at 4650'. TIH with tubing and tag CIBP at 4650'. Load 5.5" casing with 140 bbls of water and well circulate clean. Pressure test to 600 PSI, held OK.

**Plug #1** with CIBP at 4650', spot 14 sxs Class B cement (16.52 cf) inside casing above CIBP up to 4527' to isolate the perforations and cover Upper Ismay top. PUH to 3820'. Load casing with 3 bbls of water.

**Plug #2** spot 17 sxs Class B cement (20.06 cf) inside casing from 3820' up to 3670' to cover the Hermosa top.

TOH with tubing. Perforate 3 holes at 1780'. Establish rate 1 bpm at 400 PSI. SI well.

03/03/10 Open well, no pressure. TIH with 5.5" DHS cement retainer and attempt to set at 1736'. Cement retainer would not set. Unable to pull up but cement retainer would go down hole. Attempt to pump down tubing pressured up. Unable to reverse casing clean pumping 1 bpm at 300 PSI. Turn cement retainer to right 2 turns. Cement retainer felt free. Start POH, drag about 20', then free. POH with stinger only. PU notch collar and TIH with tubing to 1736'. EOT 1828', no cement retainer. LD 3 joints. Stand back 28 stands. TIH with another 5.5" DHS cement retainer and set at 1740'. Pressure test tubing to 1000 PSI, held OK. Sting out of cement retainer. Load casing with 3 bbls of water. Sting in to cement retainer. Establish rate 1 bpm at 400 PSI.

**Plug #3** with cement retainer at 1740', mix and pump 48 sxs Class B cement (56.64 cf), squeeze 30 sxs outside casing and leave 5 sxs below cement retainer and 13 sxs above cement retainer up to 1626' to cover the DeChelly top.



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Murdoch Oil Co., Inc.

March 5, 2010

Navajo BN 4-33

Page 2 of 2

## Plugging Summary Continued:

03/03/10 Continued: TOH with tubing. Perforate 3 squeeze holes at 871'. Establish rate into squeeze holes 2 bpm at 200 PSI. Bradenhead circulating. TIH with 5.5" DHS cement retainer and set at 819'. Sting out of cement retainer. Load casing with 1 bbl of water. Establish rate 1-1/2 bpm at 200 PSI. Load casing with 1-1/2 bbls of water.

**Plug #4** with cement retainer at 819', mix and pump 48 sxs Class B cement (56.64 cf), squeeze 30 sxs outside annulus and leave 6 sxs below cement retainer; sting out of cement retainer and spot 12 sxs inside casing above cement retainer up to 714' to cover the Chinle top.

TOH and LD all tubing. Perforate 3 holes at 437'. Establish rate into squeeze holes 2 bpm at 100 PSI.

**Plug #5** with 128 sxs Class B cement (151.04 cf) down the 5.5" casing from 437' to surface, circulate good cement out the bradenhead.

SI well and WOC. ND BOP and companion flange. Dig out wellhead. Monitor well. Issue Hot Work Permit. Cut off wellhead. Found cement down 12' in both the 5.5" casing and annulus.

Mix 25 sxs Class B cement and install P&A marker.

SDFD.

03/04/10 RD rig. Load 3 blast joints, 4 old 3/4" sucker rods, polish rod and pump jack, oil and gas tanks onto gooseneck. RD rig. Cut off anchors. MOL.

Gail Leslie-Bob, BIA representative, was on location.